

5. A light-leakage type photocatalyst filter according to claim 1, wherein said photocatalyst fiber bundle has a dense portion and a sparse portion formed at a part and another part in the longitudinal direction where said fibers are densely and sparsely arranged, respectively, said dense portion serving as said filter assembly, said sparse portion serving as a fluid introducing

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12. A method of filtering a

guiding light on at least one end of the photocatalyst fibers so as to make the light travel through the photocatalyst fiber in the longitudinal direction; and

13. A method as claimed in claim 12, wherein each of the photocatalyst fibers gradually and partially leaks the light in the longitudinal direction.

14. A method as claimed in claim 13, wherein the photocatalyst fibers are assembled into the photocatalyst fiber bundle with gaps which are left among the photocatalyst fibers so that the object fluid is caused to flow through the gaps in the longitudinal direction.